



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

☒ APPLICATION TO DRILL ☐ DEEPEN ☐ PLUG BACK ☒ FOR AN OIL WELL ☐ OR GAS WELL

NAME OF COMPANY OR OPERATOR D.E. Exploration, Inc. - Douglas G. Evans				DATE 03/30/99	
ADDRESS PO Box 128		CITY Wellsville		STATE KS	ZIP CODE 66092
DESCRIPTION OF WELL AND LEASE					
NAME OF LEASE Clark-Berry		WELL NUMBER CB-4A		ELEVATION (GROUND)	
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINE) 1595 FT. FROM (N)(S) SECTION LINE 2035 FEET FROM (E)(W) SECTION LINE					
WELL LOCATION SECTION SE 1/4 16		TOWNSHIP 46N		RANGE 33W	COUNTY Cass
NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 2475 FEET					
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 220 FEET					
PROPOSED DEPTH 700'	DRILLING CONTRACTOR, NAME AND ADDRESS Hughes Drilling Co.		ROTARY OR CABLE TOOLS Rotary	APPROX. DATE WORK WILL START 03/31/99	
NUMBER OF ACRES IN LEASE	NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 3				
IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED? NAME Western Engineering ADDRESS Belton, Mo					NO OF WELLS: PRODUCING 2 INJECTION 0 INACTIVE 0 ABANDONED 0
STATUS OF BOND		<input type="checkbox"/> SINGLE WELL AMOUNT \$		<input checked="" type="checkbox"/> BLANKET BOND AMOUNT \$ 20,000.00	
<input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED					
REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING ZONE AND EXPECTED NEW PRODUCING ZONE; USE BACK OF FORM IF NEEDED.)					
PROPOSED CASING PROGRAM				APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST	
AMOUNT	SIZE	WT/FT	CEM.	AMOUNT	SIZE
700'	4 1/2	650	115sks	700'	4 1/2
I, the undersigned, state that I am the President of the D.E. Exploration, Inc. (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.					
SIGNATURE Douglas G Evans Pres.				DATE 3-30-99	
PERMIT NUMBER 20669				<input checked="" type="checkbox"/> DRILLER'S LOG REQUIRED <input checked="" type="checkbox"/> E-LOGS REQUIRED IF RUN	
APPROVAL DATE 3-30-99				<input checked="" type="checkbox"/> CORE ANALYSIS REQUIRED IF RUN <input checked="" type="checkbox"/> DRILL STEM TEST INFO. REQUIRED IF RUN	
APPROVED BY Jane & Billy Williams				<input type="checkbox"/> SAMPLES REQUIRED	
				<input checked="" type="checkbox"/> SAMPLES NOT REQUIRED	
				<input type="checkbox"/> WATER SAMPLES REQUIRED AT _____	
NOTE ▶ THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION					
APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE.					
I _____ of the _____ Company confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.					
DRILLER'S SIGNATURE				DATE	

<u>Carl C. Hughes</u> of the <u>Hughes Drilling</u>	
Company confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized Council representative.	
<small>OWNER'S SIGNATURE</small> <u>Carl C. Hughes</u>	<small>DATE</small> <u>3/29/99</u>



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

FORM OGC-4

OWNER

LEASE NAME D.E. Exploration, Inc.

COUNTY

Clark-BerryCass

2255 FEET FROM S SECTION LINE AND 2035 FEET FROM E SECTION LINE OF SEC. 16 TWP 46N N. RANGE 33W
(N) - (S) (E) - (W)



SCALE

1 square = 330'

CB-3A

CB-11

CB-4A

REMARKS

Note: This plat is of the SE 1/4 of section.

INSTRUCTIONS

On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked

This is to Certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

RECEIVED

MAR 12 1999

MO Oil & Gas Council

(SEAL)

REMIT TWO (2) COPIES TO:
MISSOURI OIL AND GAS COUNCIL
P.O. BOX 250, ROLLA, MO 65401

REGISTERED LAND SURVEYOR

NUMBER



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

Form OGC-5

☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ INJECTION ☐ SAME RESERVOIR ☐ DIFFERENT RESERVOIR ☒ OIL ☐ GAS ☐ DRY

OWNER D.E.Exploration, Inc. ADDRESS PO Box 128, Wellsville, KS 66092

LEASE NAME Clark Beery WELL NUMBER CB4-A

LOCATION 1595 S. Sec. 1 line 2035 E. sec. 1 line SEC. TWP. AND RANGE OR BLOCK AND SURVEY SE $\frac{1}{4}$ S 16, T. 46N, R. 33W

COUNTY Cass PERMIT NUMBER (OGC-3 OR OGC-31) 20669

DATE SPUDDED 03/30/99 DATE TOTAL DEPTH REACHED 04/02/99 DATE COMPLETED READY TO PRODUCE OR INJECT 05/11/99 ELEVATION (DF, RKR, RT, OR Gr.) FEET ELEVATION OF CASING HD. FLANGE FEET

TOTAL DEPTH 632 PLUG BACK TOTAL DEPTH N/A

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION Producing ROTARY TOOLS USED (INTERVAL) top TO bottom CABLE TOOLS USED (INTERVAL) N/A

WAS THIS WELL DIRECTIONALLY DRILLED? No WAS DIRECTIONAL SURVEY MADE? No WAS COPY OF DIRECTIONAL SURVEY FILED? No DATE FILED N/A

TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST) Gamma Ray DATE FILED 05/03/99

CASING RECORD

CASING (REPORT ALL STRINGS SET IN WELL - CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
surface	12 3/4	7"		41.90	5sks	
production	6 $\frac{1}{4}$	4 $\frac{1}{2}$ "		621.15		

TUBING RECORD

LINER RECORD

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
7" IN.	41.90 FEET	NA FEET	NA INCH	NA FEET	NA FEET	NA	NA FEET

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

NUMBER PER FOOT	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
2	3 1/8"	576-586 JetX	20/40 Frac/Sand	

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION June 1, 1999 PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP.) pumping - 1 $\frac{1}{2}$ " - standard pump

DATE OF TEST NA HOURS TESTED NA CHOKE SIZE NA OIL PRODUCED DURING TEST NA GAS PRODUCED DURING TEST NA WATER PRODUCED DURING TEST NA OIL GRAVITY NA

TUBING PRESSURE 50# CASING PRESSURE 50# CAL'TED RATE OF PRODUCTION PER 24 HOURS 6 bbls OIL 3 GAS 3 WATER 3 GAS OIL RATIO NA

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD)

Held in with pressure valve

METHOD OF DISPOSAL OF MUD PIT CONTENTS

Air dried, back filled

CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE President JUL 30 1999 OF THE

D.E.Exploration, Inc.

COMPANY, AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT, AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE 7-29-99 SIGNATURE Douglas B. Turner Pres.

CONTRACTOR

HUGHES DRILLING COMPANY
122 NORTH MAIN
WELLSVILLE, KANSAS 66092

3/30/99-4/2/99

OPERATOR

D.E. Exploration, Inc.
P. O. Box 128
Wellsville, KS 66092

LOG

Clark-Berry

Well # CB-4A

Cass Co., Missouri

API #

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STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2	9	White Shale	370
15	Clay	17	29	Shale	399
4	Sandstone	21		(Slate 397-398)	
7	Clay & Sandstone	28	8	White Shale (Sdy.)	407
41	Lime	69		(Brk. 399-402)	
3	Shale(Broken)	72	15	Shale	422
22	Lime	94	2	Sdy. Lime	424
33	Shale	127		(Some bleeding oil)	
7	Lime	134	2	Brown Sand	426
3	Shale	137		(Bleeding oil)	
9	Red Bed	146	15	Shale	441
5	Shale	151	5	Lime	446
4	Lime	155		(Oil trace)	
24	Shale	179	2	Shale	448
6	Gray Sand	185	2	Lime	450
1	Lime (Sdy.)	186	11	Shale	461
9	Shale	195		(Slate 457-458)	
9	Lime	204	11	Lime	472
9	Shale	213	2	Shale	474
21	Lime 30'	234	4	Gray Sand	478
10	Shale	244	16	Shale	494
	(Slate 237-239)		5	Lime	499
20	Lime 20'	264	29	Shale(Dark)	528
5	Shale	269		(Limebreak 510)	
	(Slate 264-265)		19	Shale	547
2	Lime	271	1	Sdy. Lime	548
4	Shale	275		(Oil trace)	
5	Lime "HERTHA"	280	1	Sdy. Shale	549
41	Shale	321		(Oil trace)	
	(Brk. 283-286)		1	Shale	552
3	Gray Sand	324	1	Sdy. Shale	553
	("KOB TOWN")			(Some bleeding oil)	
)Lamin.w/shale)		2	Sdy. Lime	555
37	Shale	361		(Oil trace)	
	(Brk. 359-361)				

CONTRACTOROPERATOR

HUGHES DRILLING COMPANY
122 NORTH MAIN
WELLSVILLE, KANSAS 66092

LOG

Clark-Berry
Well #CB-4A
cont.

API #

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Shale	557			
2	Sdy. Lime (Oil trace)	559			
10	Lime & Shells	569			
5	Shale	574			
2	Lime & Shells	576			
14	Sand	590			
2	Black Sand & Lime Shells	592			
17	Shale	609			
1	Lime	610			
22	Shale	632T.D.			

3/30/99

Drilled 632' of hole (6½").

3/30/99

Set 41.90' of 7" surface pipe.

Cemented in with 5 sacks cement.

4/1/99

Cored Squirrel zone

3 cores.

4/2/99

Set 621.15' of 4½" pipe.

Used 3 centralizers.

Float shoe on bottom.

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NO Oil & Gas Council



CONSOLIDATED INDUSTRIAL SERVICES

AN INFINITY COMPANY

211 W. 14th, P.O. Box 884 Chanute, KS 66720 • 316/431-9210 • 1-800/467-8676

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MO Oil & Gas Council

INVOICE DATE	INVOICE NO.
05/12/99	00163766

S 2335
O D.E. EXPLORATION
L P.O. BOX 128
D WELLSVILLE KS 66092

REMIT TO: CONSOLIDATED IND. SERVICES
P.O. BOX 26147
SHAWNEE MISSION, KS 66225

TERMS: Net 30 Days
A Finance Charge computed at 1% per month (annual percentage rate of 12%) will be added to balances over 30 days.

PLEASE REFER TO THIS ACCOUNT NUMBER WHEN MAKING INQUIRIES

ACCOUNT NO.

P.O. NO.

LOCATION

55

0034

10

ITEM NUMBER

LEASE AND WELL NO.

CLARK-BERRY # CB4A

DATE OF JOB

JOB TICKET NO.

22

10

23

10

7

9

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MINIMUM PUMP CHARGE 1300 HP UNIT

CITY WATER

ACID SPOTTER

15% HCL

7/8" RUBBER BALL SEALERS (SP 1.3)

KCL SUB

FRAC GEL

WATER TRANSPORT

20/40 FRAC SAND

12/20 MESH

BULK SAND DELIVERY

UNITS

UNIT PRICE

UNIT MEAS

EXTENDED PRICE

1.0000

1000.0000 EA

1000.00

6.0000

10.0000 EA

60.00

1.0000

202.5000 EA

202.50

50.0000

.7000 GA

35.00

17.0000

1.6500 EA

28.05

10.0000

23.9500 GA

239.50

75.0000

3.4000 LB

255.00

5.0000

60.0000 HR

300.00

5.0000

7.7500 SK

38.75

25.0000

10.5000 SK

262.50

1.0000

50.0000 EA

50.00

INVOICE

2471.30

TAX

5.64

ORIGINAL INVOICE

Thank You!

PLEASE PAY

2476.94

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CONSOLIDATED INDUSTRIAL SERVICES, INC. MO Oil & Gas Council
211 W. 14TH STREET, CHANUTE, KS 66720
316-431-9210 OR 800-467-8676

TICKET NUMBER 11592

LOCATION W of Belton
0+58-3/4E-5. side
FOREMAN Terry Hester

TREATMENT REPORT

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
5-11-99		Clark-Berry #CB4A					COS.S	SGU.
CHARGE TO <u>D.E. Explor., Inc. % Doug Evans</u>				OWNER				
MAILING ADDRESS				OPERATOR				
CITY				CONTRACTOR				
STATE				DISTANCE TO LOCATION				
ZIP CODE				TIME LEFT LOCATION				
TIME ARRIVED ON LOCATION								

WELL DATA	
HOLE SIZE	
TOTAL DEPTH	
CASING SIZE	4 1/2
CASING DEPTH	
CASING WEIGHT	
CASING CONDITION	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	576-86
SHOTS/FT	20 sh
OPEN HOLE	
TREATMENT VIA	Casing

TYPE OF TREATMENT	
<input type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input type="checkbox"/> PRODUCTION CASING	<input type="checkbox"/> ACID STIMULATION
<input type="checkbox"/> SQUEEZE CEMENT	<input type="checkbox"/> ACID SPOTTING
<input type="checkbox"/> PLUG & ABANDON	<input type="checkbox"/> FRAC
<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> FRAC + NITROGEN
<input type="checkbox"/> MISC PUMP	<input type="checkbox"/> FOAM FRAC
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITROGEN

PRESSURE LIMITATIONS		
	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

INSTRUCTIONS PRIOR TO JOB Spot 50 gal 15% HCL - Break down and stage acid - pump 10-20 Bbl.
pad - 1,500# sand - Balls - 1,500# sand - flush to parts plus 5 Bbl. over

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Spotted 50 gal 15% HCL - Broke down and staged acid - pumped
15 Bbl. pad - 500# 20/40 - 1,000# 12/30 - 12 Balls - 5 Balls - 1,500# 12/30 - flushed to parts
plus 5 Bbl. over

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	1400 psi
FINAL DISPLACEMENT	900 psi
ANNULUS	
MAXIMUM	1200 psi
MINIMUM	900 psi
AVERAGE	
ISIP	250 psi
5 MIN SIP	
15 MIN SIP	

TREATMENT RATE	
BREAKDOWN BPM	
INITIAL BPM	20
FINAL BPM	"
MINIMUM BPM	"
MAXIMUM BPM	"
AVERAGE BPM	"
HYD HHP = RATE X PRESSURE X 40.8	

AUTHORIZATION TO PROCEED

TITLE

DATE

ALL THE TERMS AND CONDITIONS STATED ON THE REVERSE SIDE ARE INCORPORATED AS PART OF THIS SALE.